

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

## RECORD OF WELL

- #3  
West Point 15' good
1. Location: State New York County Rutland  
Nearest P. O. \_\_\_\_\_ Direction from P. O. \_\_\_\_\_  
Distance from P. O. \_\_\_\_\_ miles;  $\frac{1}{4}$  sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_  
If in city, give street and number Town of Phelpsstown Locate well on plat of section.
2. Owner: Lake Surprise Camp Address Lake Surprise  
Driller: J. P. Harris Address Port Chester, N.Y.
3. Situation: Is well on upland, in valley, or on hillside? hillside, near valley
4. Elevation of top of well: 730 ft. above the level of sea  
(Above or below) (Sea, depot, lake, or stream)
5. Type of well: lilled; kind of drilling rig used \_\_\_\_\_  
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
6. Depth of well: 202 ft.; year in which well was finished 1927  
200 - driller Does well enter rock? yes; if so, at what depth? 46 ft.; kind of rock Stromberg granite (Geol. map)
7. Diameter: At top 10 inches; at bottom \_\_\_\_\_ inches.
8. Principal water bed: Stromberg Granite (Geol. map) mica schist - See Page  
(Gravel, sand, clay, or rock. If rock, state kind)  
Depth to principal water bed \_\_\_\_\_ ft.; thickness of bed \_\_\_\_\_ ft.
- If other water supplies were found, give depth to each \_\_\_\_\_
9. Casings: Kind steel; size 10; length 46 ft.; between depths of 0 and 46 ft.  
Kind "; size 8"; length 46 ft.; between depths of 0 and 46 ft.  
Kind \_\_\_\_\_; size \_\_\_\_\_; length \_\_\_\_\_ ft.; between depths of \_\_\_\_\_ and \_\_\_\_\_ ft.
- Packers (if any): Depth at which packers were used none; kind \_\_\_\_\_
- Screen or Strainer: Was well finished with screen? no; kind of screen \_\_\_\_\_;  
length of screen \_\_\_\_\_ ft.; diameter \_\_\_\_\_ inches; size of openings \_\_\_\_\_
10. Head: Does well at present overflow without pumping? no; did it overflow when new? no;  
if flowing, give pressure \_\_\_\_\_ lb. per sq. inch; or height water will rise in a pipe \_\_\_\_\_ ft. above surface;  
original pressure or head \_\_\_\_\_; if not flowing, give water level in well 38 ft. below surface. (9-14-48)
11. Pump: Is the well pumped? yes; kind of pump Kearns Reversing;  
size or capacity of pump 19.2 gpm; kind of power Electric 5HP
12. Yield: Natural flow at present (if any) \_\_\_\_\_ gallons per minute; original flow \_\_\_\_\_ gallons per minute;  
well has been pumped at 23-19.2 gallons per minute continuously for 14 hours;  
quantity of water ordinarily obtained from well 16 000 gallons per day. (105 driller)
- Use: For what purpose is the water used? domestic purg supply for 600 people
- Quality of the water: see back of sheet; is there an analysis? \_\_\_\_\_  
(Hard or soft, fresh or salty, etc.)
- Cost of well, not including pump: \_\_\_\_\_ Temperature of water \_\_\_\_\_ ° F.

Name of person filling blank 2 PageAddress Ed Simmons Dec. 1950



# LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
9-14-48 N L state pumped below surface in for 38.0 ✓ 57.7 ✓				57.7 38.0 <u>19.7</u>
drop pipe 3 1/2 "				
65' deep = <u>60'</u> (driller)				
Bacteria per ml. 37°C		< 500		
Coliform - most probable number		38		
Color		0		
Turbidity		T.		
Odor		N. S. I.		
Fe		0.09		
NO <sub>2</sub>		0.001		
NO <sub>3</sub>		0.24		
Cl		2.2		
Hardness		32.0		
alkalinity		39.0		
pH		7.0		
<p>Surprise</p> <p>This well and other well at Lake used from June to Sept - about 14 hours day avg</p> <p>total consumption 28,500 gpd. (average)</p>				
Unconsolidated	0	46	46	
Storm King granite (geol. map)	46	200	154	

~~12.0~~  
 x 4.43  
 x 1.24  
 + 1.2  
 17.72  
 88.6  
106.32